

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 09-100492

(43)Date of publication of application : 15.04.1997

(51)Int.Cl.

C11D 3/395

C11D 1/68

C11D 1/72

C11D 1/90

C11D 1/92

(21)Application number : 07-279756

(71)Applicant : LION CORP

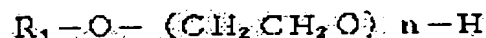
(22)Date of filing : 03.10.1995

(72)Inventor : MIYAMAE YOSHITAKA
NISHIOKA JIYUNKO**(54) LIQUID BLEACHING AGENT COMPOSITION**

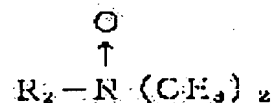
(57)Abstract:

PROBLEM TO BE SOLVED: To obtain a liquid bleaching agent composition excellent in preservation stability and expressing strong bleaching effects by effectively generating a peracid during cleaning by combining specific surfactants, hydrogen peroxide, a specific organic peracid precursor, water with an auxiliary solubilizing agent and a specific chelate.

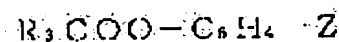
SOLUTION: This liquid bleaching agent composition comprises (A) a surfactant (A1) of a compound, etc. expressed by formula I [R1 is an 8-18C (branched) alkyl or alkenyl; (n) is 2-30] and a surfactant (A2) of a compound, etc. expressed by formula II (R2 is R1), (B) hydrogen peroxide, (C) a compound of formula III [R3 is a 7-12C straight chain alkyl; Z is an alkali metal (M1) or a group expressed by the formula: COOM (M is H or M1), etc.], (D) water (D1) and an auxiliary solubilizing agent (D2) and (E) a phosphonic acid-based chelating agent. The composition comprises 5-30wt.% ingredient (A), 0.5-10wt.% (B), 0.1-10wt.% (C), 0-5wt.% (E) and rest wt.% of (D). The weight ratios of A1/B1 and D1/D2 are (1000/1)-(10/1) and (1/0)-(1/10), respectively and the pH of the solution is regulated to 2.5-4.5.



I



II



III

LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision
of rejection]

[Date of requesting appeal against examiner's
decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office